Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

(Previously Presented) An unmanned craft having two wing control surfaces 1.

spaced apart at different points along a main body section of the craft, the unmanned craft

comprising an autopilot control system configured to provide automatic synchronized operation

of the two wing control surfaces via a control mechanism to achieve continuous variable

displacement of the wing control surfaces in flight,

wherein the autopilot control system is configured to manoeuvre an axis of the main body

section relative to the flight path velocity vector to minimize an angle of attack of the craft during

a sustained manoeuvre towards a target intercept at zero angle of incidence.

2. (Cancelled)

3. (Previously Presented) An unmanned craft according to Claim 1, wherein the

control system is to maintain continuous variable displacement of each wing control surface via

independent actuation under the action of a control routine.

4. (Previously Presented) An unmanned craft according to Claim 3, wherein the

independent actuation of each wings control surface comprises a variable gearing actuation

mechanism.

5. (Previously Presented) An unmanned craft according to Claim 1, wherein the

autopilot control system is configured to provide a demand manoeuvre to act along an axis

normal to a Zero Lift Line and in the plane of manoeuvre.

6. (Previously Presented) An unmanned craft according to Claim 5, wherein the

Zero Lift Line comprises a line co-incident with the local wind axis velocity vector, acting in the

plane of manoeuvre in which the two wing control surfaces are deflected and about which there is

no net normal force and moment.

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7. (Previously Presented) An unmanned craft according to Claim 5, wherein the autopilot control system is configured to provide deflection of both wing control surfaces acting normal to the Zero Lift Line in the plane of manoeuvre via the control mechanism.

8-10. (Cancelled)

11. (Previously Presented) An unmanned craft according to Claim 1 wherein the craft is an aircraft, marine craft or UAV and wherein the autopilot control system is configured to continually control both wings control surfaces to manoeuvre the craft to maintain optimal forward directional visibility.

12. (Cancelled)

13. (Previously Presented) An unmanned craft according to Claim 1 wherein the craft is a guided missile or torpedo in which the autopilot control system is configured to drive an axis of the body under manoeuvre to coincide with the flight path velocity vector to achieve zero angle of incidence at target impact for maximum warhead effectiveness.

14-21. (Cancelled)

- 22. (Previously Presented) An unmanned craft according to Claim 1 wherein the craft comprises a marine craft.
- 23. (Previously-Presented) An unmanned craft according to Claim 1 wherein the craft comprises a missile.
- 24. (Previously Presented) An unmanned craft according to Claim 1 wherein the craft comprises a torpedo.

25-28. (Cancelled)

29. (Previously Presented) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to adjust, at an instant in time, the wing control surfaces via

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the control mechanism to effect configuration of the Zero Lift Line and initiate manoeuvre relative to the Zero Lift Line in any plane of manoeuvre.

30. (Previously Presented) An unmanned craft according to Claim 1 in which the autopilot control system is configured to provide, selectively as required:

constant speed;

variable speed;

proportional rotation and/or translation movement of control surfaces under independent actuation via the control mechanism;

geared rotational and/or translational movement of control surfaces under independent actuation via the control mechanism;

variable rotational and/or translational movement of control surfaces under independent actuation via the control mechanism.

- 31. (Cancelled)
- (Previously Presented) A method of controlling an unmanned craft having two 32. wing control surfaces spaced apart at different points along a main body section of the craft, the method comprising: providing, by an autopilot control system via a control mechanism automated synchronized operation of the two wing control surfaces to achieve continuous variable displacement in flight to manoeuvre the main body relative to the flight path velocity vector to minimize an angle of attack of the craft during a sustained manoeuvre towards a target for achieving a target intercept at zero angle of incidence.
 - 33. (Cancelled)
- 34. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 further comprising maintaining continuous variable displacement of each wing surface via independent actuation of each wing control surface.

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35. (Previously Presented) A method of controlling an unmanned craft according to

Claim 32 further comprising independent actuation of each wing control surface by a variable

gearing actuation mechanism.

36. (Previously Presented) A method of controlling an unmanned craft according to

Claim 32 further comprising implementing a demand manoeuvre acting along an axis normal to a

Zero Lift Line and in the place of manoeuvre.

37. (Previously Presented) A method of controlling an unmanned craft according to

Claim 36 wherein the Zero Lift Line comprises a line co-incident with the local wind axis

velocity vector, acting in the plane of manoeuvre in which the two wings are deflected and about

which there is no net normal force and moment.

38. (Currently Amended) A method of controlling an unmanned craft according to

Claim 36 comprising providing deflection of both wings acting normal to the Zero Lift Line in

the plane of manoeuvre.

39-41. (Cancelled)

42. (Previously Presented) A method of controlling an unmanned craft according to

Claim 32 wherein the craft is an aircraft, marine craft or UAV and wherein the autopilot control

system continually controls both wing control surfaces to manoeuvre the craft for optimal

forward directional visibility.

43. (Cancelled)

44. (Previously Presented) A method of controlling an unmanned craft according to

Claim 32 wherein the craft is a guided missile or torpedo and wherein the autopilot drives

manoeuvring of an axis of the main body to coincide with the flight path velocity vector to

achieve zero angle of incidence at target impact for maximum warhead effectiveness.

45-49. (Cancelled)

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50. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system moves-substantially all of one or more of the wing control surfaces via the control mechanism.

51-52. (Cancelled)

- 53. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 wherein the craft comprises a marine craft.
- 54. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 wherein the craft comprises a missile.
- 55. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 wherein the craft comprises a torpedo.
- 56. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 wherein the craft is unmanned.

57-59. (Cancelled)

- 60. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system adjusts, at an instant in time, the wing control surfaces via the control mechanism to effect configuration of the Zero Lift Line and initiate manoeuvre relative to the Zero Lift Line in any plane of manoeuvre.
- 61. (Previously Presented) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system operates the control mechanism to provide, selectively as required:

constant speed;

variable speed;

proportional rotation and/or translation movement of control surfaces under independent actuation;

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geared rotational and/or translational movement of control surfaces under independent actuation;

variable rotational and/or translational movement of control surfaces under independent actuation.

62-66. (Cancelled)

- 67. (Original) An unmanned craft according to claim 1 in which substantially all of one or more of the wing control surfaces is moveable under control actuation by the control mechanism.
- 68. (Original) An unmanned craft according to claim 1 wherein one or more of the wing control surfaces comprise a trailing edge flap attached to a lifting surface of the main body.
- 69. (Original) An unmanned craft according to Claim 1 wherein the craft is an aircraft, marine craft or UAV and wherein the autopilot control system is configured to continually control both wing control surfaces to manoeuvre the craft for optimal fuel efficiency.
- 70. (Original) An unmanned craft according to Claim 1 wherein the craft is a guided missile or torpedo in which the autopilot control system is configured to continually position the manoeuvring main body at an angle of incidence to the flight path velocity vector for optimal homing onto a target.
- 71. (Original) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to provide identical rotational or translational movement of the two wing control surfaces.
- 72. (Original) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to provide proportional rotational or translational movement of the two wing control surfaces.

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- 73. (Original) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to provide geared rotational or translational movement of the two wing control surfaces.
- 74. (Original) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to provide variable rotational or translational movement of the two wing control surfaces.
- 75. (Original) An unmanned craft according to Claim 1 wherein the craft comprises more than two wing control surfaces.
- 76. (Original) An unmanned craft according to Claim 1 wherein substantially all of one or more of the wing control surfaces is moveable via the control mechanism.
- 77. (Original) An unmanned craft according to Claim 1 wherein the craft comprises an aircraft.
- 78. (Original) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to off-set an axis of the main body section relative to an instantaneous flight path velocity vector.
- 79. (Original) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to effect an applied manoeuvre about an instantaneous Zero Lift Line.
- 80. (Original) An unmanned craft according to Claim 1 wherein the autopilot control system is configured to maintain a constant speed, V.
- 81. (Original) A method of controlling an unmanned craft according to Claim 32 comprising moving substantially all of one or more of the wing control surfaces via the control mechanism.
- 82. (Original) A method of controlling an unmanned craft according to Claim

 32 comprising moving a trailing edge flap attached to a lifting surface of the main body.

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- 83. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the craft is an aircraft, marine craft or UAV and wherein the autopilot control system continually controls both wing control surfaces to manoeuvre the craft for optimal fuel efficiency.
- 84. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the craft is a guided missile or torpedo and wherein the autopilot continually positions the manoeuvring main body at an angle of incidence to the flight path velocity vector for optimal homing onto a target.
- 85. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system provides identical rotational or translational movement of the two wing control surfaces.
- 86. (Original) A method of controlling an unmanned craft according to Claim
 32 wherein the autopilot control system provides proportional rotational or translational
 movement of the two wing control surfaces.
- 87. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system provides geared rotational or translational movement of the two wing control surfaces.
- 88. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system provides variable rotational or translational movement of the two wing control surfaces.
- 89. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system moves more than two wing control surfaces.
- 90. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the craft comprises an aircraft.

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91. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system off-sets an axis of the main body section relative to an instantaneous flight path velocity vector.

- 92. (Original) A method of controlling an unmanned craft according to Claim
 32 wherein the autopilot control system effects an applied manoeuvre about an instantaneous
 Zero Lift Line.
- 93. (Original) A method of controlling an unmanned craft according to Claim 32 wherein the autopilot control system maintains the craft at a constant speed, V.